

AD-A212 437

DTIC FILE COPY

1

DATE July 27, 1989

TO: Information Services Branch

FROM: Computer Products Support Group FLG : KT LY
(Init) (Init) (Init)

RE: DOD/SW/MT-89/022 ANNOUNCE IN GRA & I
(REPORT NO.)

PRIORITY ACTION IS REQUIRED

ASSIGNED

- ☒ Form NTIS 281
- ☒ Form 277/FCPC-01
- ☒ NTIS 79
- ☒ RDP (OF 272)

☐ Consigned Inventory Acquisition
Form (Interagency Agreement
Number and Split)

Process form:	
K File (Data)	<input type="checkbox"/> Documentation
	<input type="checkbox"/> Mag Tape
	<input type="checkbox"/> Diskette
H File (Software)	<input checked="" type="checkbox"/> Documentation
	<input checked="" type="checkbox"/> Mag Tape
	<input type="checkbox"/> Diskette

DTIC
ELECTE
S 06 D
AUG 22 1989

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

- Action:
- ☒ Defense Sponsored: Acquire ADA Number
 - ☐ Order Pending. Return immediately after copying necessary pages.
 - ☐ Forward processing pages for documentation to Document Control Section.
 - ☐ Subscription request: _____ copies
 - ☐ Shelf Stock request: _____ copies
 - ☐ Regular Processing. Do not send to Document Control Section.

Remarks:

Highlight The documentation is to be related
to report numbers: DOD/SW/MT-89/023,
DOD/SW/MT-89/024, DOD/SW/OK-89/025
and DOD/SW/MT-89/026

89 8 18 007

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET		REPORT NUMBER, AGENCY REPORT NUMBER, SOURCE, ETC. (Leave blank)	
4. PRODUCT (Include name)			
DATA FILE		PUBLICATION	
DATA BASE REFERENCE SERVICE		MODEL, SIMULATION	
5. AGENCY, BUREAU, DIVISION, AND ADDRESS			
ASD/SCRL ACVC Maintenance Organization Bldg 676 Wright-Patterson AFB, Ohio 45433-6503			
6. PRODUCT NAME (Use agency nomenclature)			
Ada Compiler Validation Capability (ACVC) Version 1.11 (Field-Test Release), TAR			
7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.) *Software,			
The ACVC is a suite of tests designed to test an Ada Compiler's conformance to MIL-STD-1815A			
8. DATES OF COVERAGE (For one-time reports, use as-of-date, for software, use date and release no.)		9. FILE SIZE IN NO. OF:	
June 1989, Version 1.11 (Draft)		REELS <input type="checkbox"/> 1 PUNCHED CARDS <input type="checkbox"/>	
10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank)			
*See also: AD-A188547			
11. PRICE INFORMATION			
(\$1,000 Domestic) Price code: T99 (\$2,000 Foreign)		Price includes documentation.	
12. GEOGRAPHIC SCOPE			
The ACVC is unclassified U.S. Software Technology. It should be distributed to domestic and foreign requesters according to U.S. Department of Commerce Regulations.			
13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)			
NAME	TITLE	PHONE NO.	
Steven P. Wilson	AMO Technical Director	(513) 255-4472	
14. DOCUMENTATION		EXPECTED AVAILABILITY DATE	
AVAILABLE TO:		DATE:	

009a1

15. COMPUTER PRODUCT ABSTRACT

The Ada Compiler Validation Support (ACVC) is a software tool designed to determine if an Ada compiler conforms to the Ada Language Reference Manual (ALRM). A new official version of the ACVC is released regularly - currently an 18 month cycle. Six months prior to the expiration of an ACVC version, a field - test release of the subsequent version is made available for distribution. ACVC 1.10 was officially released in Jun 88 and will expire 30 Nov 89. . . Software Description: The model is written in the ADA programming language for implementation on a DEC VAX- 8650 computer using the VMS Version 4.7 operating system.

Accession For	
NTIS CRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By Mag. Tape \$1,000.00 NTIS	
Distribution	
Availability Codes	
Dist	Avail and/or Special
A-1	21

16. DATA FILE TECHNICAL DESCRIPTION

Source tape is in ASCII character set. Character set restricts preparation to 9 track, one-half inch tape only. Identify recording mode by specifying density only. Call NTIS Computer Products, if you have any questions.

17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran _____ COBOL _____ Basic _____ Assembly _____ Other (Specify) Ada

Software requires;

CPR Mfr. _____ Model(s) _____ Operating system(s) _____

Minimum of _____ K bytes core. The following special features and/or additional requirements in hardware:

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE

Steven G. White 513-255-4472
11 Jul 89

SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED

COMPUTER MAGNETIC TAPE FILE PROPERTIES

01. Completion Date Year Month Day 8 9 0 6 3 0			02. Form Prepared By (Name and Phone) Thomas H. Stripe (513) 255-4472			03. Steel ID Number (Property Control No.) ACVC 1.11 tar		
04. Recording Date Year Month Day 8 9 0 6 3 0			05. File Identifier or Descriptive Title Ada Compiler Validation Capability (ACVC) Version 1.11 (Field-Test Release)			06. Short Title (External Label Name) ACVC11		
07. Source Unavailable Year Month Day 8 9 0 6 3 0			08. Documentation Yes No Available X (Enter Citation)			09. File Position on Reel ___ of ___		
10. To Be Returned Yes No To Other Than The Sender X			11. Submitting Organization & Address ASD/SCEL ACVC Maintenance Organization Bldg 676 Wright-Patterson AFB, Ohio 45433-6503			12. Receiving Organization & Address U.S. Department of Commerce National Technical Information Service 5285 Port Royal Road Springfield, VA 22161		
13. Due Back Date Year Month Day 8 9 0 6 3 0			14. Technical Contact(s) & Phone Number(s) Steven P. Wilson (513) 255-4472					

RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit Digital Equipment Corp VAX 8650	17. No. of Tracks 7 9 Other		18. Parity Odd Even		19. Density (BPI) 1600
	16. Tape Subsystem DEC TU81E/AA		X		X	
RECORDING SOFTWARE	20. Operating System, Release & Version VAX/VMS Version 4.7	22. Internal File Identifier				
	21. Utility Program or Data Base Language UNIXWRITE (FORTRAN)					
23. Characters Set (Graphics) <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> BCD <input type="checkbox"/> Other (Specify) <input type="checkbox"/> EBCDIC <input type="checkbox"/> FIELDATA <input type="checkbox"/> Non-Print Codes	24. Recorded Label (Internal Label) <input type="checkbox"/> Header <input type="checkbox"/> ANSI X 3.27 Standard <input type="checkbox"/> Other <input type="checkbox"/> Trailer <input type="checkbox"/> FIPS Standard <input checked="" type="checkbox"/> None					

FILE CHARACTERISTICS

NUMBER OF RECORDS	25. Physical 1694	27. Record Type <input type="checkbox"/> Fixed Length <input checked="" type="checkbox"/> Other Than Fixed	28. Records/Block (Blocking Factor) N/A	29. TYPE OF FILE ORGANIZATION (Check One Box) <input checked="" type="checkbox"/> One File One Reel <input type="checkbox"/> One File Multiple Reels <input type="checkbox"/> Multiple Files One Reel <input type="checkbox"/> Multiple Files Multiple Reels
	26. Logical 1			
RECORD LENGTH	30. Physical <input checked="" type="checkbox"/> Bytes <input type="checkbox"/> Chars. <input type="checkbox"/> Words (Bits/Word)			
	31. Logical <input type="checkbox"/> Bytes <input checked="" type="checkbox"/> Chars. <input type="checkbox"/> Words (Bits/Word)			

SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints (Specify if Yes)	
Yes No	The ACVC is unclassified U.S. Software Technology. It should be distributed to domestic and foreign requesters according to U.S. Department of Commerce Regulations.
X	
33. For Submitting Organization Use	

06/21/89

ACVC 1.11 Tape Information
(Field-Test Release)

UNIX TAR Format

1 INTRODUCTION

The Ada Compiler Validation Capability, Version 1.11, was written in UNIX TAR format on one tape volume. The first file contained within the tape archive is ACVC11.LST, which contains the names of all of the remaining files contained within the TAR set.

2 TAPE FORMAT

The tape was written in UNIX TAR format at a density of 1600 bpi, with 20 records as the block size. An example of the directory path/filename given in the header for each file is

acvc11/tests/atests/a2/a21001a.ada

3 SPECIAL NOTE

Special attention must be given to the following four ACVC tests which contain line feed characters--ASCII control character LF--as part of the tests:

a22006c.ada b25002b.ada a22006e.ada b26005a.ada

Since UNIX TAR uses a line feed character to designate the end of a line of text, these line feed characters cause extra lines to be placed in each test. The tests are internally documented to describe the actual sequence of characters that the tests should contain.

4 TEST MODIFICATIONS

The Ada tests will be periodically updated and corrected. Their correctness is not guaranteed either by the ACVC Maintenance Organization (AMO) or by its contractor. Please report errors in writing to

Mr. Steven P. Wilson
ACVC Maintenance Organization
ASD/SCEL
Wright-Patterson AFB, OH 45433-6503

You will receive notification of changes to this version on a periodic basis. Please notify the AMO of any change of address.

5 IMPORTANT INFORMATION

The Field-Test release of ACVC Version 1.11 includes some required (".ADA") tests that were included in version 1.10 as ".DEP" tests. The file READ.ME on the tape discusses significant changes from ACVC 1.10 to ACVC 1.11. A hard copy of this file is included with this notice, under the title "Overview: Field-Test Release of ACVC Version 1.11."